

PROCEEDINGS OF THE ROYAL ENTOMOLOGICAL SOCIETY OF LONDON

SERIES C. JOURNAL OF MEETINGS

VOLUME 22

No. 11, 1957

REPORT OF THE COUNCIL, 1957

The Council is pleased to be able to report that in the past year the Fellowship has once again shown a satisfactory increase to a total of 1285. It is of interest to note that two-thirds of the Fellowship has been elected since 1946. Four Honorary Fellows were elected: Mr. N. D. Riley, Dr. W. R. Thompson, Dr. B. P. Uvarov and Dr. C. B. Williams. The increase of 65 (47)* in the total of Fellows for the year resulted from the election of 99 (96) Fellows, of whom 73 (64) completed their obligation by 31st December. In addition, 25 new Fellows elected in 1956 completed their obligation in 1957, making a total of 98 new Fellows. Against this must be set the loss of 34 (39) Fellows during the year, 8 (9) by death, 14 (13) by resignation and 12 (17) by the operation of Bye-Law XVI (3).

The Society has lost by death: D. A. Dewar, T. Esaki, C. T. Gimingham, P. Harwood, P. Lepesme, J. C. Martin, J. P. Mullan and W. R. B. Oliver.

The following Fellows have resigned: W. Beebe, T. L. C. Bottomley, M. V. Brian, C. Garrett-Jones, H. Hargreaves, I. R. P. Heslop, B. A. Jones, A. W. Letts, D. B. Lindsay, D. E. Owen, A. D. A. Russwurm, W. Roepke, J. Sneyd-Taylor and W. J. Watts, while the following have been removed from the List of Fellows in accordance with the Bye-Laws, Chapter XVI, section 3: S. Callaway, T. W. Chorley, A. E. Curtis, M. S. Kapoor, R. G. Webster Kay, J. R. Mair, J. A. Parry, A. R. Prasad, M. A. H. Qadri, H. M. L. Srivastava, P. A. Subramaniam and M. V. Venkatesh.

Ten Ordinary Meetings were held during the year. The average attendance at these meetings, 81, was somewhat lower than the 85 of the previous year. An improvement in the control of the lighting in the Meeting Room has been effected and the provision of a new projector is in hand. In addition, a regular projectionist has been engaged.

The Society's publications during the year comprised 1270 (1256) pages. Volume 109 of the *Transactions* amounted to 534 pages and included 16 papers, with 7 half-tone plates and numerous text figures. The Society is indebted to the Freshwater Biological Association and to the Metropolitan Water Board for contributions towards the cost of the paper by J. H. Mundie.

Proceedings, Series A, Volume 32, was made up of 201 pages, comprising 26 papers illustrated by 2 half-tone plates and numerous text figures. *Proceedings, Series B*, Volume 26, contained 222 pages with 39 papers, illustrated by one colour plate, 5 half-tone plates and many text figures. The Society is most grateful to Mr. Bernard Heineman for defraying the cost of the coloured plate illustrating the paper by himself and Dr. A. B. Klots. *Proceedings, Series C*, has been sent in parts to every Fellow in advance of meetings and a complete copy will be sent with the last part.

* The numbers in parentheses are the corresponding figures for the previous year.

Three new parts of the *Handbooks for the Identification of British Insects*, comprising a total of 233 pages, have been published. These are :

Volume I, part 16 : Siphonaptera, by F. G. A. M. Smit.

Volume IV, part 9 : Coleoptera : Pselaphidae, by E. J. Pearce.

Volume VIII, part 3 (*d* ii) : Hymenoptera : Proctotrupoidea : Belytinae, by G. E. J. Nixon.

A total of 23 parts in this series has now appeared and these continue to find a ready sale. The final part of the *Handbook* on Hymenoptera : Symphyta is now in the press and further *Handbooks* are in preparation.

The number of loans made by the Library shows a satisfactory increase to 1816 (1729), while the number of borrowers was 978 (885). Ninety-six (115) loans were made to the National Central Library.

The Society has received the sum of £1000 by the bequest of the late Dr. E. A. Cockayne, an Honorary Fellow of the Society. The Society also received a selection of books from Dr. Cockayne's Library.

The Society has taken the opportunity kindly offered by Dr. Lisney of purchasing a number of rare entomological works which have been collected together by Dr. Lisney over a period of years, in connection with his bibliographical studies.

Mr. Basden has kindly presented to the Society a number of paintings of insects on silk. These prove to have originated in South China and to be about 100 years old.

The Finance and House Committee, under the Chairmanship of Mr. W. V. Harris, and the Publication and Library Committee, under Mr. Paul Freeman, have continued to meet and to direct the policy of the Society in their respective fields. Two meetings of the Committee for the Protection of British Insects have been held during the year and, as a result of the Committee's work, Council is pleased to report that a close liaison with the Nature Conservancy is being established. Council wishes to express its gratitude to the members who have served on these Committees.

The only change in the Society's delegates to permanent outside organizations has been the replacement of Professor Varley by Dr. H. E. Hinton as one of the Society's representatives on the British National Committee for Biology (Royal Society). The Society's representatives at the meeting of the British Association in Dublin were Miss D. J. Jackson, Professor F. Balfour-Browne, Mr. J. Balfour-Browne and Mr. P. F. Mattingly. The Society has appointed Mr. Dennis Smith as its representative on the Committee appointed by the Trustees of the British Museum (Natural History) to manage the Rothschild-Cockayne-Kettlewell collection of British Lepidoptera at the Zoological Museum, Tring.

In conclusion, Council feels that it is justified in reporting that the state of the Society is sound and that Fellows may find a source of satisfaction in the stability of the Society and its steady and long-continued growth.

TREASURER'S REPORT

This is the sixth Treasurer's Report which it has been my privilege to present to you. The documents in front of you are the Statements of Income and Expenditure and the Balance Sheets of the various funds of our Society. They have been audited and certified by Messrs. W. B. Keen & Co. and with your permission will be duly published. I would like to tell you about our various funds.

The General Fund.—The net gain of 65 Fellows during the year has increased our income from subscriptions, from £3687 to £3846—£159. The interest on our investments, both from the Hugh Main Fund and the Capital Reserve Fund, unfortunately shows a decline totalling £120. There are several reasons for this but they may be summarized by saying that the figure for 1956 was abnormally high. Our income from sales of publications I always feel is an index, not only of our vitality but of the Society's importance in the eyes of the rest of the world. It is, therefore, with great satisfaction I can report an increase of income from this source of nearly £1000. A substantial part of this amount is on account of new subscribers to the *Transactions* and *Proceedings* so that it is reasonable to expect that this support will continue. I am sure you will agree that this is a very satisfactory state of affairs. On the expenditure side of this fund we have been successful in maintaining the house expenses at the 1956 level, but in office and meeting expenses there has been some increase in expenditure which unfortunately we can do little to control. The publications expenditure costs of £6046 include the very high cost of mailing the journals to Fellows; this high cost of postage unfortunately is a universal problem. You will recall that last year I made reference to the Special Publications Fund which your Council had instituted for the purpose of financing publications of rather a different character from what would be chosen for the *Transactions* and *Proceedings* of the Society. I have been able to make a transfer of £400 to this fund and, as it now stands at almost £1000, I believe we could undertake the publication of the first volume. The excess of income over expenditure in the General Fund is £113.

Repairs and Improvements Fund.—The redecoration of the outside of 41, Queen's Gate, is due this year; it was last done in the late summer and early autumn of 1953, when a complete external decoration, with certain roofing and guttering repairs, cost over £800. I have, therefore, placed £400 of our income to this Fund, the total in the Fund being now £838. This should be sufficient for our purpose. This fund obviously has to have a large allocation every year.

Library Fund.—This year we have spent £434 on the purchase of new books and £228 on new binding and repairs. This latter sum is a substantial amount but I am sure it would be your wish to maintain our library in a proper manner.

In the *Handbooks of British Insects Fund*, the position is very much as it was last year, with income from sales exceeding the printing costs, but the apportioning of part of the office costs does give us an excess of expenditure over income, this year of £224.

In my last year's report I referred to the indecision with regard to the covenant scheme for the payment of subscriptions and I have to report there is still no ruling as to whether the Society is included in what is known as the National Book League decision. Finally in the *Capital Reserve Fund* we have had the very important bequest during the year of £1000 from Dr. E. A. Cockayne. Council has concurred with my proposal that this bequest should perpetuate the name of Dr. Cockayne, a Past President of the Society, and be known as the Cockayne Bequest and I hope form a permanent part of our Capital Reserve Fund.

May I at this point refer to Mr. Britton who as Honorary Secretary has been my partner, as an Officer of our Society, for these last six years, but who now feels obliged to resign. The very satisfactory state of the Society's affairs is due in the main to Mr. Britton's stewardship; to him I would like to say "Thank you very much for all the work which you have done for the Royal Entomological Society of London".

THE ROYAL ENTOMOLOGICAL SOCIETY OF LONDON STATEMENT OF INCOME AND EXPENDITURE for the Year ended 31st December, 1957. (Presented at the Annual Meeting, 5th February, 1958.)

GENERAL FUND.

INCOME.			EXPENDITURE.		
1956.	£	1956.	£	s.	d.
To Subscriptions—			By House Expenses—		
Received in Advance for 1957 ..	175	173	Wages ..	14	9
Received in 1957 for 1957 ..	3,375	3,537	Superannuation Contributions ..	35	0
Received in 1957 for previous years ..	137	135	Fuel, Gas and Electric Light ..	231	5
			Insurance ..	80	16
			Water ..	32	10
Less Subscriptions in arrear at 31st December 1956 valued at ..	3,587	3,846	Repairs and Improvements Fund—	5	5
	100	100	Transfer ..	450	0
			Miscellaneous ..	44	12
	3,587	3,746		1,446	10
	100	150		8	5
Add Subscriptions in arrear at 31st December 1957 valued at ..	3,637	2,037	" Office and Meeting Expenses—		
			Salaries ..	2,253	10
" Transfer from Capital Reserve Fund—	435	150	Superannuation Contributions ..	166	10
Interest on Investments (gross) ..		191	Printing and Stationery ..	170	16
" Transfer from Hugh Mahn Fund—		201	Postage and Telephone ..	267	0
Interest on Investments (gross) ..	554	458	Office Equipment ..	131	7
" Publications—		63	Audit Fee ..	63	0
Sales ..	4,662	189	Miscellaneous ..	159	4
Transfer from Library Fund—		2,761		3,211	9
Value of Exchanges ..	525	475	Less Proportion of Salaries, Stationery and Postage allocated to <i>Handbooks of British Insects</i> ..	450	0
" Sub-Tenants—				2,761	9
Rent ..	437	437	" Library Fund—		
Contributions to House Expenses ..	297	312	Transfer ..	511	15
Interest on Bank Deposits ..		13	Ditto Value of Exchanges ..	475	0
" Miscellaneous Receipts ..	11	5		986	15
			" Publications—		
			Expenditure ..	6,046	9
			Less Grants and Donations ..	89	5
			Westwood Bequest ..	5,957	4
				89	5
			" Donations—		
			<i>Zoological Record</i> ..	25	0
			Wicken Fen Fund ..	5	0
			British Co-ordinating Committee for Nature Conservation ..	—	—
				30	0
			" Transfer to Special Publications Fund		
				400	0
			" Excess of Income over Expenditure for year carried to Balance Sheet ..		
				113	0
				£11,695	0
				10	

STATEMENT OF INCOME AND EXPENDITURE for the Year ended 31st December, 1957. (continued)

LIBRARY FUND.				EXPENDITURE.			
INCOME.				EXPENDITURE.			
1956	£	1956.	£	1956.	£	1956.	£
To Interest on Investment—				By New Books			
Hamilton Druce Bequest Fund	34		34	" Binding, Repairs and Insurance		434	5
" Sale of Books	84		84	" Microfilm of Catalogue		228	10
" General Fund—				" Furniture and equipment			
Transfer	698	511	15	" Transfer to Sales of Publications—Value			
Ditto Value of Exchanges	525	475	0	of Exchanges			
" Excess of Expenditure over Income for							
year carried to Balance Sheet							

BALANCE SHEET, 31st December, 1957.

GENERAL FUND.

	£	s.	d.	£	s.	d.	£	s.	d.	(not valued)
Sundry Creditors										
Provision for Estimated Cost of Outstanding Publications	2,747	17	11							
Subscriptions received in Advance	350	0	0							
EXCESS OF ASSETS OVER LIABILITIES—				195	10	0				
As at 31st December, 1956										
Less Transfer to Capital Reserve—										
Bequest by the late Mrs Welfin in 1955	1,278	12	5							
	25	0	0							
Add Excess of Income over Expenditure for year to date	1,253	12	5							
	113	0	5							
				1,366	12	10				
Stock of Publications										
Sundry Debtors—										
Subscriptions valued at	150	0	0							
Publications valued at	500	0	0							
Donation towards cost of Publication	60	0	0							
Rents and Contributions to House Expenses	83	6	0							
Sundry Amounts	22	10	6							
	815	16	6							
	302	13	7							
Insurance Premiums, etc., prepaid										
Balances at Bank—										
Deposit Account	3,000	0	0							
Current Account	402	2	0							
Petty Cash Account	120	3	4							
Cash in Hand	3,522	5	4							
	19	5	4							
	£4,660	0	9							

(In addition to the above the Society holds a sum of £114 5s. 9d. on behalf of the Permanent Committee of the International Congresses of Entomology.)

RECONCILIATION OF CASH BALANCES—

	£	s.	d.	£	s.	d.
Post Office Savings Bank .. .. .	..	..	..	..	..	..
Special Publications Fund .. .. .	..	..	..	..	..	..
Deposit Account— General Fund .. .. .	..	..	..	..	..	..
Current Account— General Fund .. .. .	..	..	..	..	..	..
Leprosy Fund .. .. .	..	..	..	..	..	..
Repairs and Improvements Fund .. .. .	..	..	..	..	..	..
Special Publications Fund .. .. .	..	..	..	..	..	..
<i>Less Overdrawn—Handbooks of British Needs</i>	1610	13	5	..	128	13 6
Petty Cash Account— General Fund .. .. .	..	..	..	..	..	..
Cash in Hand— General Fund .. .. .	..	..	..	..	..	..
	£1,483	18	11	£184	5	6
	£3,000	0	0	£19	5	4

BALANCE SHEET, 31st December, 1957.

TRUST FUNDS.

HAMILTON DRUCE BEQUEST FUND— As at 31st December, 1956		HAMILTON DRUCE BEQUEST— Investments—		HAMILTON DRUCE BEQUEST— Investments—	
£	s. d.	£	s. d.	£	s. d.
..	£406 2s. 2d.	Mersey Docks and Harbour Board 3½%
..	Debtenture Stock 1970/80 at cost	418 11 6
..	£593 17s. 10d.	Ditto, transferred from "Capital"
..	Reserve Fund in 1946 at Market Value	610 4 6
..	£66 12s. 9d.	3% War Stock at cost
..	(Market Value at date £699.)	66 19 6
..		1,095 15 6
WESTWOOD BEQUEST FUND— As at 31st December, 1956		WESTWOOD BEQUEST— Investment at cost—		WESTWOOD BEQUEST— Investment at cost—	
..	£239 12s. 4d.	Birmingham Corporation 3% Stock 1947
..	(Market Value at date £123.)	250 0 0
..		
..	250 0 0	
..		
..	£1,345 15 6	£1,345 15 6

(Sgd.) N. E. HICKIN, *Hon. Treasurer.*

We have examined the foregoing Balance Sheets and Accounts with the books and vouchers of the Society and certify them to be in accordance therewith. We have verified the Investments and Bank balances, and the Solicitors have certified to us that they hold the Deeds of No. 41, Queen's Gate for safe custody on behalf of the Society.

*Finbury Circus House,
Blomfield Street,
London, E.C.2.
24th January, 1958.*

(Sgd.) W. B. KEEN & Co.,
Chartered Accountants.

THE COMMITTEE FOR THE PROTECTION OF BRITISH INSECTS.
 RECEIPTS AND PAYMENTS ACCOUNT for the year ended 31st December, 1957.

RECEIPTS.		PAYMENTS.	
To Balance at Bank 1st January, 1957	£ s. d. 24 11 10	By Oxshott Heath Conservators	£ s. d. 5 0 0
.. .. .	.. .. .	Preservation of Ridge Copse, Fareham	2 12 6
.. .. .	.. .. .	Preservation of <i>L. dispar batavius</i>	5 0 0
.. .. .	.. .. .	Cheque Book	4 0 0
.. .. .	.. .. .	Balance at Bank 31st December, 1957	11 15 4
	<u>£24 11 10</u>		<u>£24 11 10</u>

(Sgd.) H. M. EDELSTEIN, *Hon. Treasurer.*

We have audited the above account and certify it to be correct:

Finshury Circus House,
Blomfield Street,
London, E.C.2.
 24th January, 1958.

(Sgd.) W. B. KERN & Co.,
Chartered Accountants.

THE ROYAL ENTOMOLOGICAL SOCIETY WICKEN FEN FUND
 RECEIPTS AND PAYMENTS ACCOUNT for the year ended 31st December, 1957.

RECEIPTS.		PAYMENTS.	
To Balance at Bank— 1st January, 1958	£ s. d. 51 2 0	By Printing, Stationery and Postage	£ s. d. 4 8 3
Donations .. .. .	.. .. .	.. .. .	.. .. .
Balance overdrawn at Bank 31st December, 1957	51 2 0	.. .. .	.. .. .
	<u>£51 6 4</u>		<u>£51 6 4</u>

(Sgd.) H. M. EDELSTEIN, *Hon. Treasurer.*

We have audited the above account and certify it to be correct.

Finshury Circus House,
Blomfield Street,
London, E.C.2.
 24th January, 1958.

(Sgd.) W. B. KERN & Co.,
Chartered Accountants.

THE PRESIDENT'S REMARKS

LADIES AND GENTLEMEN,

It is one of my duties as your representative to review the affairs of our society and in the first place to refer briefly to those Fellows who have died during the past year. As was recorded in the report of the Council, eight of our Fellows died in this period.

CONRAD T. GIMINGHAM was born in 1884 and died on 16th November last, while serving on our Council. He had also served on Council for two other periods, was a Vice-President in 1950, and was elected to the Society in 1919. He was also President of the Association of Applied Biologists in 1938-40. He was awarded an O.B.E. for his work in the first World War.

Gimingham was an unusual man in several ways. He was trained as a chemist but was ultimately better known as an entomologist. While best known as an economic entomologist, who for many years played a prominent part in the affairs of the Association of Applied Biologists, he was also a collector of the British insect fauna, familiar with the taxonomy of several groups. Finally, he was to many a highly-valued friend, notable alike for his modesty, his wide knowledge and his intellectual integrity.

Gimingham was one of the pioneers in the movement which has converted the study of insecticides from an uncontrolled process of trial and error into a highly sophisticated science. Before the first World War, he undertook research at Rothamsted on soil chemistry and also worked at Wye College and Long Ashton. After serving in the army during 1914-18, he returned to Rothamsted where, with Dr. Tattersfield, he made a prolonged study of insecticides and the chemical basis of their toxicity. Later, he transferred to the Ministry of Agriculture's Plant Pathology Laboratory at Harpenden, but his work involved as much entomology as chemistry and his knowledge of the British fauna was much called on. He played an important part in the setting up in 1942 of the Ministry's approval scheme for crop-protection products and in running the quarantine scheme which has probably prevented the Colorado beetle from becoming established in this country. He continued active in several fields after his official retirement and those who served with him on our Council will especially regret that they will no longer have the advantage of his wise advice. His collection of Aphididae and Coleoptera will remain at the Plant Pathology Laboratory.

PHILIP HARWOOD was born in 1881, was elected to our Society in 1910 and died on 17th August, 1957. He came from a well-known family of entomologists who recorded many interesting insects from the Colchester district in the latter part of the nineteenth century. Harwood himself was a banker and worked at different times in Hampshire and Dorset, and retired in the first place to Inverness. He was an exceptionally good collector with a flair for discovering species new to the British fauna and he persisted in his search until in most cases an adequate series had been obtained. Although he had published very little himself, he was singularly generous in giving away specimens to all who wanted them and several British species have been named after him. His collections, which included those of his father and brother, consisted mainly of Hemiptera, Hymenoptera and Coleoptera. Mrs. Harwood, who only survived him by a few months, presented the representatives of the first two groups to the British Museum and of the remainder to the University Museum, Oxford.

PROFESSOR TEISO ESAKI, who died on 14th December, first joined our Society in 1927 at the end of a three-year visit to Europe. He studied at a number of Institutes and Museums, including the British Museum, which he visited again in 1953. He had a very wide knowledge of entomology and was an authority on

the aquatic Hemiptera of the world. His large collections are being deposited in the Kyushu University.

PIERRE LEPESME, who was born in 1913 and died last January, was elected a Fellow in 1948. He lived in Paris and was by profession a pharmacist, in which subject he held a doctorate. As an amateur entomologist he made important contributions to the study of the Coleopterous family Cerambycidae and of the beetles which attack stored products. He edited three volumes of a publication *Longicornia* and also published (1944) a book on Coleoptera found in warehouses.

W. R. B. OLIVER, who died on the 16th May in his seventy-third year, was elected to the Society in 1931. Starting as an amateur naturalist of wide interests who worked as a customs officer, he explored especially the fauna of New Zealand and the outlying islands. All his collections were bequeathed to the Dominion Museum at Wellington, and he also made generous provision for a department of entomology in the Museum.

DAVID ALEXANDER DEWAR, who died last January at the age of 85, was elected to the Society in 1923. He was a medical practitioner who, until his late seventies, was a keen collector and breeder of Lepidoptera. His collection was disposed of through Mr. Newman soon after the end of the war.

JOHN MARTIN was one of our Canadian Fellows, elected in 1954, who died at the early age of 32. He was a professional entomologist, educated at Queen's University, Kingston, and taking a doctorate at Cornell. He was studying the Braconidae and had already published several taxonomic papers. His untimely death will be regretted all the more because of the great need for the sort of work he was doing.

We have also heard of the death of J. P. MULLAN who was elected to the Society in 1912. He lived in India.

May I ask you to stand a moment in memory of these friends and colleagues who have died during the last year.

The reports of your Council and of the Honorary Treasurer have told you of the flourishing state of our Society and there is only one point to which I would like to add any comments. Our Honorary Secretary, Mr. E. B. Britton, is retiring after seven years' service to the Society. It is well known that the tone of a society and in particular the decisions of its Council can be largely determined by the activities of the Secretary. Our present very satisfactory position, our record of continuous steady progress and improvement, are largely due to the hard work of our Secretary. We owe him a very real debt of gratitude for all he has done and I should also like to welcome Mr. Paul Freeman who has been persuaded to take over the Secretary's onerous duties.

I am afraid as far as I myself am concerned, the chief feature of last year was that I was unable to attend four of the meetings. This placed an unexpected burden on our Vice-Presidents, but so efficient are our Honorary Officers, our Registrar and other members of our staff, that I believe the President is the member of the Council that the Society can most easily replace. I should like to thank all the Officers and staff of the Society and the members of Council for their support during the past year.

BENEFACTIONS.

List of Donations of the amount or value of Twenty pounds and upwards.

- | | |
|--|-------|
| | 1852. |
| Miss BROMFIELD, 67 volumes from the library of W. A. Bromfield. | |
| | 1861. |
| H. T. STAINTON, towards cost of alterations of premises, £25. | |
| | 1864. |
| J. W. DUNNING, £123 5s.* | |
| | 1867. |
| The same, towards cost of publications, £105. | |
| | 1868. |
| H. J. FUST, towards the cost of his paper on Geographical Distribution, £25. | |
| The ROYAL SOCIETY, for the same, £25. | |
| | 1869. |
| J. W. DUNNING, £50. | |
| W. W. SAUNDERS, cost of drawing and engraving 24 plates for Pascoe's "Longicornia Malayana." | |
| | 1870. |
| J. W. DUNNING, £20. | |
| The same, the entire stock of eight vols. of the Transactions. | |
| | 1872. |
| The same, towards cost of publications, £50. | |
| | 1875. |
| The same, cost of removal of Library and new book-cases, £99 17s. 4d. | |
| | 1876. |
| The same, towards cost of publications, £150. | |
| | 1879. |
| H. T. STAINTON, £20 10s. 6d. | |
| | 1880. |
| The same, £20. | |
| | 1881. |
| J. W. DUNNING, towards cost of publications, £40. | |
| H. T. STAINTON, for the same, £25. | |
| | 1882. |
| The same, £30. | |
| | 1883. |
| The same, £35. | |

* It has not always been possible to find the exact purpose for which the earlier money gifts were intended, but they appear to have been usually in support of the publications.

1884.

J. W. DUNNING, £50.

H. T. STANTON, £40.

W. B. SPENCE, his late father's library.

1885.

J. W. DUNNING, £35.

The same, the whole cost of the Society's Charter.

1893.

The same, towards cost of publishing the Library Catalogue, £25.

1894.

The same, £45.

The Misses SWAN, £250 for the "Westwood Bequest," the interest to be used for plates in the Transactions.

F. D. GODMAN (in this and subsequent years), "Biologia Centrali-Americana."

1898.

Mrs. STANTON, about 800 volumes and pamphlets from H. T. Stanton's Library.

1899.

S. STEVENS, Legacy, £100.

1902.

G. W. PALMER, M.P., towards cost of printing G. A. K. Marshall's paper on the Bionomics of African Insects, £30.

Prof. E. B. POULTON, towards cost of plates, £65.

1903.

H. J. ELWES, cost of plates to illustrate his paper on the Butterflies of Chile, £36 18s. 2d.

F. D. GODMAN, cost of plates to illustrate his paper on Central and S. American Erycinidae.

1904.

H. L. L. FELTHAM, towards cost of plates for R. Trimen's paper on S. African Lepidoptera, £20.

1906.

The same, towards cost of plates for R. Trimen's paper on African Lepidoptera, £20.

1908.

E. A. ELLIOTT (in this and subsequent years), Wytzman's "Genera Insectorum."

1909.

CH. OBERTHÜR (in this and subsequent years), his "Lépidopterologie comparée."

1910.

Dr. T. A. CHAPMAN, towards cost of plates for his papers on Life-histories of Lepidoptera, £25.

1911.

Sir G. KENRICK, Bart., cost of plates for his paper on Butterflies of Dutch New Guinea, £54.

1912.

Dr. T. A. CHAPMAN, cost of plates for his papers on Life-histories of Lepidoptera, £35 6s. 5d.

1913.

The ROYAL SOCIETY, towards the publication of D. Sharp's paper on the Genitalia of Coleoptera, £60.

1914.

F. D. GODMAN, cost of plates for G. C. Champion's papers on Mexican and Central American Coleoptera, £22 7s. 6d.

G. T. BETHUNE-BAKER, cost of 12 plates illustrating his Presidential Address.

1915.

J. J. JOICEY, cost of plates for his papers on Lepidoptera from Dutch New Guinea, £82 11s.
Dr. G. B. LONGSTAFF, cost of plates for Dr. Dixey's paper on New Pierines, £32.

1916.

Dr. T. A. CHAPMAN, for plates, £68 7s. 3d.

1917.

Mrs. MELDOLA, for books for the Library, £31 10s.
E. E. GREEN, large binocular microscope.

1919.

Dr. T. A. CHAPMAN, F.R.S., cost of plates to illustrate his papers, £56 19s. 3d.

1920.

Donations in aid of the purchase of 41, Queen's Gate—

Dr. G. B. LONGSTAFF, £1000.

The Honble. N. C. ROTHSCHILD, £500.

Dr. H. ELTRINGHAM, Sir G. H. KENRICK, The Rev. F. D. MORICE, W. G. SHELDON, each £100.

R. ADKIN, G. T. BETHUNE-BAKER, Dr. T. A. CHAPMAN, W. M. CHRISTY, H. MASSEY, Prof. E. B. POULTON, each £50.

B. H. CRABTREE, E. E. GREEN, Dr. G. A. K. MARSHALL, G. A. J. ROTHNEY, each £25.
H. E. ANDREWES, £21.

H. J. ELWES, E. B. NEVISON, G. T. PORRITT, O. WHITTAKER, each £20.

Dame ALICE GODMAN, book-shelves and fittings for the Library.

J. J. JOICEY, in aid of the furnishing of 41, Queen's Gate, £100.

Dr. T. A. CHAPMAN, F.R.S., cost of plates to illustrate his paper, £30.

1921.

Donations in aid of the purchase of 41, Queen's Gate—

The Rt. Hon. LORD ROTHSCHILD, £105.

W. M. CHRISTY, £50, making with a similar donation in 1920, £100 in all.

W. G. F. NELSON, £63, reduction of solicitor's charges.

W. J. KAYE, £50.

W. SCHMASSMAN, £50.

R. ADKIN, £40, cancellation of debentures drawn.

E. C. BEDWELL, £28 7s. 6d., reduction of surveyor's charges.

H. WILLOUGHBY ELLIS, £26 5s.

Lt.-Col. R. S. WILSON, £25.

H. ST. JOHN K. DONISTHORPE, £21.

Miss E. F. CHAWNER, £20.

Sir JOHN T. D. LLEWELYN, Bart., £20.

K. J. MORTON, £20.

J. J. JOICEY, Lantern and Stand for the Meeting Room.

Dr. T. A. CHAPMAN, F.R.S., £29 5s., to illustrate his paper in the Transactions, 1920.

The Rt. Hon. LORD ROTHSCHILD, £22 15s. 4d., cost of plates in the Proceedings for 1920.
JESUS COLLEGE, OXFORD, through Prof. E. B. POULTON, F.R.S., £100.

1922.

Donations in aid of the purchase of 41, Queen's Gate—

The Misses CHAPMAN, in memory of their brother, the late Dr. T. A. Chapman, F.R.S., £500.

G. A. J. ROTHNEY (bequest), £150.

R. ADKIN, £70, cancellation of debentures drawn.

E. E. GREEN, £25 (making £50 in all).

W. H. B. FLETCHER, £25.

Sir A. BUCHAN-HEPBURN, Bart., £20.

E. W. ADAIR, £20.

The Misses CHAPMAN, two bookcases.

1923.

Donations in aid of the purchase of 41, Queen's Gate—

The Honble. N. C. ROTHSCHILD (bequest), £1000.

R. ADKIN, £90, cancellation of debentures drawn (making £200 in all).

A. C. F. MORGAN, £20.

H. J. TURNER, £20.

1924.

Donations in aid of the purchase of 41, Queen's Gate—

E. D. BOSTOCK, £21.

Miss M. E. FOUNTAINE, £20.

H. H. C. J. DRUCE (bequest), £1000, interest to be spent on new books.

Prof. E. B. POULTON, F.R.S., authorised contribution from the Fund for promoting the study of organic and social evolution, presented to the University of Oxford by Professor J. Mark Baldwin, £130 15s. 4d.

JESUS COLLEGE, OXFORD, through Prof. E. B. Poulton, F.R.S., £125.

H. WILLOUGHBY ELLIS, contribution towards new electric light installation at 41, Queen's Gate, £50.

1925.

A. H. JONES (bequest), £100.

G. T. BETHUNE-BAKER, £30, towards the cost of the plates in his paper.

E. A. ELLIOTT, in continuation of his practice since 1908, Wyttsman's "Genera Insectorum," amounting to a total value of £225.

THE ROYAL SOCIETY, £100, towards the cost of Mr. H. S. Pruthi's paper.

1926.

THE ROYAL SOCIETY, £150, towards the cost of Mr. Warren's paper.

1927.

Rev. F. D. MORICE (bequest), £200.

Prof. E. B. POULTON, F.R.S., authorised contribution from the Fund for promoting the study of organic and social evolution, presented to the University of Oxford by Professor J. Mark Baldwin, £40 16s.

1928.

R. W. LLOYD, the entire cost of the panelling and ceiling in the new Meeting Room, together with the Presidential Desk and Chair.

Col. J. W. YERBURY (bequest), £50.

1929.

THE EMPIRE MARKETING BOARD, £96 8s. 5d., the entire cost of Mr. B. P. Uvarov's paper.

Prof. E. B. POULTON, F.R.S., authorised contribution from the Fund for promoting the study of organic and social evolution, presented to the University of Oxford by Professor J. Mark Baldwin, £85 11s.

THE ROYAL SOCIETY, £90, towards the cost of Mr. F. W. Edwards' paper.

1930.

R. ADKIN, the entire cost of the epidiascope and screen.

Dr. K. JORDAN, £50 donation in aid of building the new Meeting Room.

H. WILLOUGHBY ELLIS, £50 donation in aid of building the new Meeting Room.

Dr. R. STEWART MACDOUGALL, £110, being the cost of a bookcase and table for the Library, in memory of his wife.

JESUS COLLEGE, OXFORD, through Professor E. B. Poulton, F.R.S., £25.

Mdme. A. DE HORRACK-FOURNIER, cost of plate illustrating Mr. Lathy's paper, £20 5s.

THE TRUSTEES OF THE CARNEGIE (U.K.) FUND, £500 for the purchase of books for the Library.

Mrs. EATON, a selection of books from the Library of her husband.

E. A. ELLIOTT, in continuation of his practice since 1908, Wyttsman's "Genera Insectorum."

P. I. LATHY, "Thèses entomologiques," copy No. 2, including a proof set of the plates uncoloured.

1931.

EMPIRE MARKETING BOARD, towards the cost of Mr. B. P. Uvarov's paper, £231.

Prof. E. B. POULTON, F.R.S., authorised contribution from the Fund for promoting the study of organic and social evolution, presented to the University of Oxford by Professor J. Mark Baldwin, £110.

JESUS COLLEGE, OXFORD, through Prof. E. B. Poulton, F.R.S., £20.

BOARD OF THE CARNEGIE FUND IN SOUTH AFRICA, the entire cost of the plates illustrating Prof. A. J. T. Janse's paper.

1932.

Prof. R. MELDOLA (bequest), £450.

Prof. E. B. POULTON, F.R.S., authorised contribution from the Fund for promoting the study of organic and social evolution, presented to the University of Oxford by Prof. J. Mark Baldwin, £50

JESUS COLLEGE, OXFORD, through Prof. E. B. Poulton, F.R.S., £30.

Dr. F. MORTON JONES, cost of plate illustrating his paper, £20 10s.

Donations to Centenary Fund—

Fleet-Paymaster T. BAINBRIGGE FLETCHER, R.N., £35.

C. W. Mackworth PRAED, £26 5s.

R. ADKIN, £25.

Prof. W. A. F. BALFOUR-BROWNE, F.R.S.E., £20.

Dr. H. ELTRINGHAM, F.R.S., £20.

1933.

Donations to Centenary Fund—

Prof. E. B. POULTON, F.R.S., £100.

Prof. W. A. F. BALFOUR-BROWNE, F.R.S.E., £20, making with a similar donation in 1932, £40 in all.

H. WILLOUGHBY ELLIS, £20.

LORD ROTHSCHILD, F.R.S., £20.

EMPIRE MARKETING BOARD, towards the cost of the paper by O. W. Richards and W. S. Thomson, £75.

THE HIGH COMMISSIONER FOR INDIA, towards the cost of the paper by U.S. Sharga, £30.

1934.

THE ROYAL SOCIETY, £75, towards the cost of Dr. O. W. Richards' paper.

1935.

R. ADKIN (bequest), £250, and a selection of the books from his library.

R. W. LLOYD, the entire cost of Jacob Huebner's collection of manuscripts, plates and drawings.

C. B. HOLMAN-HUNT (bequest), £100, for the Library.

THE ROYAL SOCIETY, £70, towards the cost of Prof. G. D. Hale Carpenter's paper.

Fleet-Paymaster T. BAINBRIGGE FLETCHER, R.N., a selection of the books from his library.

H. G. CHAMPION, a selection of books from the library of the late G. C. Champion.

1936.

THE TRUSTEES OF THE HERBERT SPENCER ESTATE, £1241, being one-twelfth part of the residuary estate of Herbert Spencer.

THE GOVERNMENT OF TANGANYIKA TERRITORY, £330, towards the cost of Mr. C. F. M. Swynnerton's paper.

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THE CARNEGIE TRUST FOR THE UNIVERSITIES OF SCOTLAND, £23 13s., towards the cost of Mr. R. Carrick's paper.

1937.

THE ROYAL SOCIETY, £100, towards the cost of Mr. Francis Hemming's book on *Jacob Hübner*.

1938.

THE ROYAL SOCIETY, £72, towards the cost of Prof. C. E. Mickel's paper.

1939.

W. S. GILLES (bequest), £2000.

J. J. WALKER (bequest), £100.

R. W. LLOYD, £20, towards the cost of purchase of a set of the *Journal of the Asiatic Society of Bengal*.

Dr. R. VERITY, the cost of 8 plates illustrating his paper.

THE IMPERIAL INSTITUTE OF ENTOMOLOGY, Locust Research Fund, £100, towards the cost of Dr. J. S. Kennedy's paper.

THE ROYAL SOCIETY, £80, towards the cost of Dr. O. W. Richards' paper.

1940.

W. S. GILLES (bequest), £1600.

1941.

- Dr. L. G. HIGGINS, £200, towards the cost of his paper.
 W. S. GILLES (bequest), £101 11s. 4d.
 Miss M. E. FOUNTAINE (bequest), £100.
 Miss JANET RIDDELL, £50, towards the cost of her paper.
 THE ROYAL SOCIETY (on behalf of the Rockefeller Foundation Gift in aid of Scientific Publications), £50.

1942.

- THE ROYAL SOCIETY, £100, from the Government Publications Fund towards the cost of Dr. C. B. Williams' paper.
 THE ROYAL SOCIETY, £100, from the Rockefeller Foundation Gift in aid of Scientific Publications.
 The Estate of the late D. S. WILKINSON, £200, towards the cost of publishing Lieut. Wilkinson's paper on *Apanteles*.

1943.

- THE ROYAL SOCIETY, £100, from the Government Publications Fund.
 THE ROYAL SOCIETY, £200, from the Rockefeller Foundation Gift in aid of Scientific Publications.

1944.

- THE ROYAL SOCIETY, £250, from the Rockefeller Foundation Gift in aid of Scientific Publications.
 THE EGYPTIAN GOVERNMENT, £115, towards the cost of Dr. A. A. G. Hassan's paper.
 Prof. G. D. HALE CARPENTER, £50, from the E. B. Poulton Fund towards the cost of the paper by himself and Dr. B. M. Hobby.

1945.

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 THE ROYAL SOCIETY, £250, from the Rockefeller Foundation Gift in aid of Scientific Publications.

1946.

- THE ROYAL SOCIETY, £240, from the Government Grant in aid of Scientific Publications.
 Prof. T. D. A. COCKERELL, £200, donation to Library Catalogue Fund.
 Mr. H. E. ANDREWES, his entire library of works on Coleoptera.

1947.

- THE ROYAL SOCIETY, £600, from the Government Grant in aid of Scientific Publications towards the cost of the *Handbooks on British Insects*.
 TRINITY COLLEGE, DUBLIN, £50, towards the cost of Dr. B. P. Beirne's paper.
 THE ROYAL SOCIETY, £364 3s. 6d., from the Government Grant in aid of Scientific Publications, being the cost of Dr. J. W. Evans' paper.

1948.

- THE ROYAL SOCIETY, £366, from the Government Grant in Aid of Scientific Publications.
 HUGH MAIN (bequest), £100.
 AN ANONYMOUS FELLOW, £52 10s. towards the purchase of books for the Library.
 THE ANTI-LOCUST RESEARCH CENTRE, £50, towards the cost of Dr. B. P. Uvarov's paper.
 THE EAST AFRICAN TSETSE RESEARCH ORGANISATION, £21 13s. 8d., being the cost of the plates illustrating Dr. C. H. N. Jackson's paper in *Proceedings Series A*.
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1949

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 Dr. F. L. VANDERPLANK, £52 10s. 4d., being the cost of the coloured and half-tone plates illustrating his papers in *Proceedings Series B*.

1950.

THE ROYAL SOCIETY, £250, from the Government Grant in aid of Scientific Publications towards the cost of the *Handbooks on British Insects*.

THE ROYAL SOCIETY, £350, from the Government Grant in aid of Scientific Publications towards the cost of the paper by Dr. O. W. and Dr. M. J. Richards.

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MR. T. H. E. JACKSON, £50 5s. 6d., being the cost of the coloured plate illustrating the paper by himself and Professor G. D. Hale Carpenter in *Proceedings Series B*.

MR. C. J. BROOKS, £50, towards the cost of his paper.

H. J. TURNER (bequest), a first selection of the books from his library and the whole of his large collection of reprints.

1951.

THE ROYAL SOCIETY, £550, from the Government Grant in Aid of Scientific Publications.

THE SUDAN GOVERNMENT, £100, towards the cost of the paper by Dr. R. Kirk and Mr. D. J. Lewis.

THE COLONIAL DEVELOPMENT AND WELFARE FUND, £55 3s. 4d., towards the cost of the above paper.

THE UNIVERSITY OF GLASGOW, £50, towards the cost of Dr. J. W. H. Lawson's paper.

MR. T. H. E. JACKSON, £48 15s. 5d., being the cost of the coloured plate illustrating his paper in *Proceedings Series B*.

1952.

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1953.

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1954.

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THE ANTI-LOCUST RESEARCH CENTRE, £40, being the cost of the plates illustrating the paper by Dr. G. Popov.

1955

THE ROYAL SOCIETY, £350, from the Government Grant in Aid of Scientific Publications.

DR. L. G. HIGGINS, the cost of the coloured and half-tone plate illustrating his paper in the *Transactions*.

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THE DEPARTMENT OF AGRICULTURE, OTTAWA, £20 towards the cost of publishing the paper by J. A. Downes in the *Transactions*.

1956

THE ROYAL SOCIETY, £450, from the Government Grant in Aid of Scientific Publications.

THE ANTI-LOCUST RESEARCH CENTRE, £170, towards the cost of publishing the paper by V. M. Dirsh in the *Transactions*.

THE COLONIAL DEVELOPMENT AND WELFARE FUND, £150, towards the cost of publishing the paper by D. H. Colless in the *Transactions*.

THE UNIVERSITY OF MALAYA, £50, towards the cost of the above paper.

1957.

E. A. COCKAYNE (bequest), £1000 and a selection of books from his library.

MR. BERNARD HEINEMAN, the entire cost of the coloured plate illustrating the paper by himself and Dr. A. B. Klots in *Proceedings Series B*.

THE FRESHWATER BIOLOGICAL ASSOCIATION, £25, towards the cost of publishing the paper by J. H. Mundie in the *Transactions*.

THE METROPOLITAN WATER BOARD, £25, towards the cost of the above paper.

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